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FIG. 1

>human Glycosyl Sulfotransferase 4 (huGST-4 $\alpha$ ) complete cDNA (ORF in capitals)  
 ggctcgagggtccactgtgctgaatgttcattcagaaagctccagtgaggaactggctctggagactgtgtggcat  
 agagtgattcaaccaccctaagaagacctctggcttgcggacacagatgtcgagacatctccatggattgtgatcagcgttg  
 cagctctccagcagccctggacgggtggccccagccgcccgcATGTGGCTGCCACGGTTCTCCAGCA  
 AGACAGTGACAGTGCTCCTCCTGGCACAGACCACCTGCCTCCTGCTCTTCATC  
 ATCTCCCGGCCAGGGCCCTCATCCCCAGCCGGCGGAGGATCGTGTGCACGT  
 GCTGGTGTGCTCGCTCGTGGCGCTCGGCTCATCCTCTTGGGCCAGCTCTTCAG  
 CCAGCACCCGACGTCTTACCTGATGGAGCCCGCGTGGCATGTGTGGACCA  
 CCCTGTCGCAAGGGCAGCGCGCACAGCTGCACATGGCCGTGCGCAGCTGAT  
 GCGCTCTATCTTTGTGCGACATGGACGTGTTGATGCCTACATGCCACAGA  
 GCCGAAACCTGTCCGCCCTTTCAACTGGGCAACGAGCCGCGCTGTGCTCG  
 CCGCCCGCCTGCAGGCCCTTCCCCGAGGCACCATCAGCAAGCAGGACGTAT  
 GCAAGACACTGTGACGCCATTCAAGCCTGGCCGGAGGCGGGCCGAGGCCTGCG  
 CTCCTACAGCACGTGGTGTCAAGGAGGTGCGCTTCAACCTGCGCATCGTGCACCTGGTGC  
 TCTACCCGCTGCTCAGCGACCCCGCGCTCAACCTGCGCATCGTGCACCTGGTGC  
 CGCGACCCGCGGGCCGTGCTGCGCTCCCGGAGGCAGGCGGGCCGATACTGG  
 CACGCGACAACGGCATCGTGTGGCACCAACGGCAAGTGGGTGGAGGCCGA  
 CCCTCACCTGCGCCTGATTGCGAGGTGTGCCGAGCCACGTGCGCATGCCG  
 AGGCCGCCACACTCAAGCCGCCACCCTCCTGCGCGGCCGCTACCGCCTGGTGC  
 CGCTTCGAGGACCTGGCGCGGGAGCCGCTGGCAGAGATCCGCGCACTCTAEG  
 CCTTCACCGGCCTGACCCCTACGCCACAGCTCGAGGCCTGGATCCACAACATC  
 ACCCACGGGTGGGATCGGCAAGCCAATCGAGGCCTCCATACTCGTCTAG  
 GAATGCGCGCAACGTCTCCAGGCCTGGCGCCACGCGTTGCCCTTCACTAAGA  
 TCCTGCGCGTGCAGGAGGTGTGCGCCGGCGCTGCAGCTGCTGGCTACCG  
 GCCTGTGTACTCTGCGGACCAGCAGCGTGACCTCACCCCTGGATCTGGTGTGC  
 CACGAGGCCAGACCACCTCAGCTGGCATCGCCTGACTGAGaactctggcccttagagc  
 aagccccgaactgtggcgccaggcccaggaagcgactgcatggaaaaggagctggcgcatggaaacaggccct  
 actatcaaccgggagttgggggtcccccgtgaagtaagcaaggactgcacgttctctcctgattctcggtttccctttagt  
 ctggagctgccttcatcagggtgcaacttcatggaaaagcaactctggccctaccttctggcgccaggagtagtactgc  
 taaattaaatcaaatgtgtgccaggccgggtggctcatgcctgtatcccgcatggatccggctgaggatca  
 cctgaggcaggattcaaaaccagccctggccaacatagtggaaaccctctactaaaatgc  
 aaaaatgtccggcgtgg  
 gcacactcctgtaatcccgactttagggcgtggaaaatcactggactccaaagggtggagggtgcagtaagctgaa  
 atcatgccactgcaccctagcttgggtggcaaagcaaaaacttatcaaaaaataatattgttcaaaaagtccctgccc  
 aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa (SEQ ID NOS. 03 & 04)

>human Glycosyl Sulfotransferase 4 (huGST-4 $\alpha$ ) translation of ORF from complete cDNA  
 MWLPRFSSKTVTLLAQTCLLFIISRPGPSSPAGGEDRVRHVLVLSSWRSGSSFLGQLFSQHPDVF  
 YLMEPAWHVWTLSQGSAATLHMAVRDLMRSIFLCDMDVFDAYMPQSRNLSAFFNWATSRALC  
 SPPACSAFPRGTISKQDVCKTLCTRQFSLAREACRSYSHVVLKEVRFFNLQVLYPLLSDPALNLRIV  
 HLVRDPRAVLRSREAAGPILARDNGIVLGTNGKWVEADPHLRLIREVCRSHVRIA  
 EAATLKPPPFLRGRYRLVRFEDLAREPLAEIRALYAFTGLTLTPQLEAWIHNI  
 THGSGIGKPIEAFHTSSRNARNVSQA  
 WRHALPFTKILRVQEVCAGALQLLGYRPVYSAQQRDLTLDLVLPRGPDHFSWASPD  
 (SEQ ID NO: 08)

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**FIG. 2**

>mouse Glycosyl Sulfotransferase 4 (huGST-4) complete cDNA (ORF in capitals)

ctcgagcaactgtggctactggaccacccactgagcgctttgtgcgcctgggtgcagcgcagaagcgcagcggcagcgcaggccctagc  
cagaggtATGCGGCTACCCGTTCTCCAGCACTGTCATGCTTCGCTCCTGATGGTACAGACTGGC  
ATCCTGGTCTTCCGGCAAGTGCATCGTCCCAGCAGGGCCTGGGGAGCGTGTGC  
ACGTGCTGGTACTGTCTCGTGGCGCTCGGCTCGTCTCGTGGCCAGCTTCAGCCAACA  
CCCCGATGTCTTCTACCTGATGGAGCCGGCTGGCACGTCTGGGATACGTTGTCGAGGGCAGT  
GCCCCCGCACTCCACATGGCCGTGCGTGACCTGATCCGCTCAGTGTCTCATGCGACATGGACG  
TATTTGATGCCTACCTGCCCTGGCGCCGCAACATCTCGGATCTCTCCAGTGGCGGTGAGCCG  
CGCATTGTGCTCACCTCCGGTCTGCGAAGCCTCGCTGGCAACATCAGCAGCGAGGAGGT  
GTGTAAGCCTCTGTGCGAACGCGGCCCTCGGCTGGCTCAGGAAGCCTGCAGCTCCTATAG  
TCACGTCGTGCTCAAGGAGGTGCGCTTAAACCTACAGGTGCTCTACCCGCTGCTCAGCGAC  
CCTGCGCTCAACCTGCGATCGTGCACCTAGTGCACGGGACCCGCGGGCGTGCCTGCCCTCGA  
GAGCAGACAGCCAAGGCCTGGCACGGGACAATGGCATCGTCTGGTACCAACGGCACGTG  
GGTGGAGGCCTGGACCCCGCTGCGGTCAACGAGGTATGCCGAGCCATGTGCGCATCGC  
AGAGGCAGCCTGACAAGCCGCCCTTCTGCAAGATCGTACCGCCTGGTGCCTACGA  
GGATCTGGCCGGGACCCACTCACCGTAATCCGTAACTCTATGCCTCACCGGCTGGTCTC  
ACGCCGAGCTCCAGACTTGGATCCACAATATCACGCA TGTTCAAGGGCAGGCAGCGCCGT  
GAAGCCTCAAGACCACATCCAGGGATGCGCTCAGTGTATCCCAGGCCTGGCGCACACGCTG  
CCCTTGCCAAGATTGGCCGGTCCAGGAACTGTGCGGGGGTGCACTGCAGCTGCTGGTTAC  
CGGTCTGTGCATTGGAGCTTGAGCAAAGGGACCTCTCTGGACCTCTGCTGCCAAGAGGC  
ATGGACAGTTCAAGTGGCATCGTCCACGGAGAACGAAACCGGAATCTTAGaattttatggagagacca  
gctataacattagggtctattggagtatgataaagaaggggcttggagaacccaaaagcaagtagctggagtgatgtatgttgcctgtacttagaaagg  
atggagtc当地atcccacatctttctgtccagatgttagtttcgttggatcttttaggttggatccccaatgtactatcgatggaaagcaaaatctgt  
gcccacttccttcagagaggcagccagccctctactaaagacttccttcgttgcactctcccttgcataccatcgatccccaatgtccatccatcg  
caggccctgtggatgtggggaaaggcgcggctgtggctggctctaaatctgtgcacccctgtccctgtggatgtggccatccatcgatccatcg  
gcctgtatctcgatccatcatagacttggacagatgtggccatccatcgatccatcgatccatcgatccatcgatccatcgatccatcg  
atggacatccaggcacacacacaaccatctggaggatgtggccatccatcgatccatcgatccatcgatccatcgatccatcgatccatcg  
ggaaatccaggcacacacacaaccatctggaggatgtggccatccatcgatccatcgatccatcgatccatcgatccatcgatccatcg  
atgctgcgtgatccaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa (SEQ ID NOS: 01 & 02)

>mouse Glycosyl Sulfotransferase 4 (huGST-4) translation of ORF from complete cDNA

MRLPRFSSTVMLSLLMVQTGILVFLVSRQVPSSPAGLGERVHVLVLSSWRSGSSFVGQLFSQHPDV  
FYLMEPAWHVWDTLSQGSAPALHMAVRDLIRSVFLCDMDVFDAYLPWRRNISDLFQWAWSRALC  
SPPVCEAFARGNISSEEVCKPLCATRPFGLAQEACSSYSHVVLKEVRFNLQVLYPLLSDPALNLRIV  
HLVRDPRAVLRSEQTAKALARDNGIVLGTNGTWVEADPRLRVVNEVCRSHVRIAEEAALHKPPF  
LQDRYRLVRYEDLARDPLTVIRELYAFTGLGLTPQLQTWIHNITHGSGPGARREAFKTTSRDALSVS  
QAWRHTLPFAKIRRVQELCGGALQLLGYRSVHSELEQRDLSDLLLPRGMDSFKWASSTEKQPE  
(SEQ ID NO: 07)

**FIG. 3**

>human GST-6 polypeptide fragment (translation of ORF)  
MNRYNGAMMDVDAHYKMFWDHHGNSPMASIQEAEQAAEFKKRWTQFVNV  
TFQMESTITRIA YVFYGPYINVSSCRFIDSSNPGLQISLNVNNTEHVVSIVTDYHNL  
KTRFNYLGFGGFASVADQQQITRFLGLGTQAVKPVVRHDRIIFPGFKFNIAVGLILC  
ISLVILTFQWRFYLFRKLMRWILILVIALWFIELLDVWSTCSQPICAKWTRTEAEG  
SKKSLSSEGHMDLPDVVITSPLPGSGAEILKQLFFNSDFLYIRVPTAYIDIPETEI  
DSFVDACEWKVSDIRSGHFRLLRGWLQSLVQDTKLHLQNIHLHEPNRGKLAQYF  
AMNKKDKRKFRKRESLPEQRSQMKGAFDRDAEYIRALRRHLVYYP SARPVLSLS  
SGSWTLKLHFFQEVLGASMRALYIVRDPRAWIYSMLYNSKPSLYSLKNVPEHLA  
KLFKIEGGKGKCNLNSGYAFYEPLRKELSKSKSNAVSLLSHLWLANTAAALRIN  
TDLLPTSYQLVKFEDIVHFPQKTTERIFAFGLGPLSPASLNQILFATSTNLFYL PYEG  
EISPTNTNVWKQNLPRDEIKLIENICWTLMDRLGYPKFMD (SEQ ID NO:09)

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**FIG. 4A**

(human GST4 $\beta$  complete cDNA, ORF highlighted in capitals)

ggcacgaggacgacgtttgggagcccttgctgagtcgcaggagagaggcgccccccaccgtgcgcgtcagctcgcc  
cagagccgccaagcttgggtgctgaggaacctctaattcatctccatggattgtatcagcgttgcagctctcc  
cagcagccctggacagtggccccccagcagtcagcATGTGGCTGCCCGCGTCTCCAGCACAGCAGTGACCGCGCTCC  
TCTCGCGCAGACCTTCTCCTCCTCTTCTGGTTCCCGCCAGGGCCCTGTCCTCCAGCAGGCCGAGGCGCG  
GTGCATGTGCTGGTGTGCTCCTCGTGGCGCTCGGCTCGTCTCGTGGCCAATCTTCAACCAGCACCCGACGT  
CTTCTACCTAATGGAGCCCGGTGGCACGTGTGGACCACCCGTGCGCAGGGCAGCGCCGAACGCTGCACATGGCTG  
TGCACGACCTGGTGCCTCCGTCTTCTGTGCGACATGGACGTGTTGATGCCTATCTGCCTGGCGCCGAACCTG  
TCCGACCTCTTCCAGTGGCCGTGAGCCGTGACTGTGCTGCCACCCGCCTGCAGTGCCTTCCCCGAGGCGCCAT  
CAGCAGCGAGGCCGTGTGCAAGCCACTGTGCGCGGCAGTCCTCACCTGGCCCGGAGGCCTGCGCTCCCTACA  
GCCACGTGGTGTCAAGGAGGTGCGCTTCTCAACCTGCAGGTGCTTACCCGCTGCTCAGCGACCCCGCGCTCAAC  
CTACGCATCGTGCACCTGGTGCACCGCGGGCGTGCCTCCGGAGCAGACAGCCAAGGCTTGGCGCG  
TGACAAAGGCATCGTGGCACCAACGGCACGTGGGTGGAGGCCACCCGGCCTGCGCTGGTGCACGAGGTGT  
GCCGTAGCCACGTACGCATCGCGAGGCCACACTCAAGCCGCCACCCCTTCTGCGCGCCCTACCGCCTGGT  
CGCTCGAGGACCTGGCGGGAGCCGTGGCAGAAATCCGTGCGCTTACGCCTTACTGGCTCAGTCTCACGCC  
ACAGCTCGAGGCCCTGGATCCATAACATCACCCACGGATCTGGACCTGGTGCACCGCGAAGCCTCAAGACTTGT  
CCAGGAATGCGCTAACGTCCTCCAGGCCTGGGCCATGCGCTGCCCTTGCAGATCCCGCGTGCAGGAACCTG  
TGCCTGGTGCCTGCAAGCTGCTGGCTACCGGCCGTGTACTCTGAGGACGAGCAGCGCAACCTGCCCTTGATCT  
GGTGCCTGCCACGAGGCCTGAACGGCTTCACTTGGCATCATCCACCGCCTGCACCCCCGAAATTAGtgaggccac  
agttgtagcaggcgctaggcccggagggagactgtcatggtcagagggggctggggcgcacggagaagcaggccct  
atattgaccaaggagtttggtacgaccctccccctcccaagtaggcaaggactgcacgttcttctcttt  
attcttggtttccttgagtcctctggagctgccttctcatcaggtgcactttcatggaaagcaacttttgcccc  
tqccctcttqggcacagggtgtgcgtcagatgacttggtcctactcaaggccttctcccccctggagaagaga

**FIG. 4B**

## hGST4 $\beta$ (human GST4 $\beta$ , translation of ORF)

(Human CCR1p, translation: J. C. Li)  
MWLPRVSSTAVTALLAQTFLFLVSRGPSPSAGGEARVHVLVLSSWRSGSSFVGQLFNQHPDVFYLMEPAWVWT  
TLSQGSAATLHMAVRDLVRSVFLCDMDVFDAYLPWRRNLSDFQWAVSRALCSPPACSAFPRGAISSEAVCKPLCARQ  
SFTLAREACRSYSHVVLKEVRRFFNLQVLYPLLSDPALNLRIVHLVRDPRAVLRSEQTAKALARDNGIVLGTNGTWVE  
ADPGLRVVREVCRSHVRIAEEATLKPPIFLRGRYRLVRFEDLAREPLAEIRALYFTGLSLTPQLEAWIHNITHGSGP  
GARREAFKTSSRNALNVSQAWRHALPFAKIRRVQELCAGALQLLGYRPVYSEDEQRNLALDLVLPRLGLNGFTWASSTA  
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### FIG. 5A

(human GST6 complete cDNA, ORF highlighted in capitals)

ATGCCTAAGGGAGGAGCTCCCCATGGATCATGGCGTTAATGTTACAGGACATTACTATTCTAGCATTATTGATG  
TTGCTTCTACTTTGAGGAATCTGTGAGCAATTATTCCGAATGGGCAGTTTCACAGATGATAAGATCAGTT  
AAAACACAGAAAGTGAAGATTTCAGACCCAACCAAAAGCTGAAGAAAAGTATGCTTCATCCAAGTTATATTGAT  
GCTGGAGAAATCCAAGCAATGAGACAAAAGTCTCGTCAAGCCATTGCATCTTTAGAGCTATCAGAAAGTGCAGTG  
ACAGTTATGCTGTCACCCAAACATACTACCTACCTCCACCAAAGCATGCTGATTTGCTGCCAAGTGAATGAAATT  
TATGGTAACAATCTGCCTCCTTAGCATTTGACTGTTGTTATGCCAGAACAGAAAGTGCCTTGAAATTGCTTG  
GAATATGGACAGGATGGTGGCTACAAAGACTGGCTAGTAGAGAATGCACCAAGGAGATGAGGTTCCAATTGGCCAT  
TCCTTAACAGGTTTGCCTTGACTTTTATATAACTTATTAGATAATCATCGAAGACAAAATACCTGGAA  
AAAATATGGGTTATTACTGAGGAATGTACGAGTATTCAAGGTGCTCATGGGCAACAGCTCTCCATAACCAC  
CAAGCCACTAATAATGATAGCATTACTCACAGGGGCTTGGTACTGGAGTAGATAAAGGATCTAAAGCAAATATGG  
AAACAGGCTGTAGTGGATGTCATGGAAAAGACAATGTTCTATTGAATCATATTGTTGATGGTCTTGGATGAAGGT  
GTGGCCTATGGAAGCTACACAGCTAAATCCGTACACAGTATGTTTCTGGCCAGCGCCATTAAATATCAACAAAC  
TTGGATAATAACTGGTTAAAGATGCACTTTGGTCTATTATGCCACCCCTTACCTGGCTCCAAAGAACTGTGGGT  
ATAGCAGATTCCAATTATAATTGGTTATGGTCCAGAACGCCAGCTAGTTTCTGGATAAGTCATCTAAAGGAAT  
GGAGCTGAAATTGGTAGCTCAGCAAATTAGAAAGCACCGACCTAAAGATGGACCGATGGTCTTCAACTGCCAA  
AGGTGGAGTACTCTCACACTGAATAACATCTGGTATGATCCCCAGCTCACACCACAGCCACCTGCTGATTATGGTACT  
GCAAAATACACACATTCCCTAAGGGGTGTGGTTACTTATGGGCTGGTCCAAACACACAGACCAACACCTT  
GTGTCTTAAATCTGGGAAGCTGGGGGACGAGCTGTGATGACATAGTCATTTCAGCCATATTCTGGATTGAT  
GGGTGGAGAAGTTTAAACCAGGACATGAGCATCCAGATCAGAACTCATTTACTTTGCCCAATGGACAAGTATT  
GTTTCTGAAGCTCTATGGACCCAAAGTTGAGCCACCTAACAAATGTATTGGTGTGGCTCATCACCCTCAAGCCAG  
TGTAAATAAGCCCTGGGAAGGTCAACTGGGAGAATGTGCGCAGTGGCTTAAGTGGACTGGCAGGGTGGTGTGCA  
GCTGGGAAATAATCACTGCCTCTCAACATGGGAAATGGTATTGAGTGGGAAGCCGTCGCTATTCTCA  
GCAATGAGACTGAAAAGTGTATATCGTGTGCTCTTAAATTCCAAACTCTGCTAGTTGATCATATTGAG  
AGGCAAGAAGATTCCCAATAAAATTCTGTCAGTGCCTCTTCATAATTGGATATTGATTAAATATATCCATAT  
AAGTTTATGAATAAGGTATAATGGTGCATGATGGATGTGGGATGCACATTACAAATGTTGGTTGATCATCAT  
GGCAATAGTCCCCTGGCAGTATAACAGGAAGCAGAGCAAGCTGTAATTAAAAACGATGGACTCAATTGTTAAT  
GTTACTTTCAGATGGAATCCACAATCACAAGATTGCAATGTCATATTGTTATGGGCATATATCAATGTCCTCAGCTGC  
AGATTATTGATAGTTCAATCCTGGACTTCAGATTCTCTCAATGTCATAATACTGAACATGTTGTTCTATTGTA  
ACTGATTACCAACCTGAAGACAAGATTCAATTATCTGGATTCTGGCTTGCAGTGTGGCTGATCAAGGCCAA  
ATAACCCGATTGGTTGGCACTCAAGCAATAGTAAAGCTGTAAGACATGATAGGATTATTTCCTTGGATT  
AAATTAAATATGAGCTGGATTAAATTGTCATAGCTGGTGTGTTATTGAGCTTGGATGTGGAGCACT  
TTTAGAAAACAAATGCGATGGATTTAAACTCTGTTATTGCTTGTGGTTACTATCCAAATGGCTTTACCTTCT  
TGTAGTCAGCCCATTGCAAAATGGACAAGGACAGAGGCTGAGGGAAAGCAAGAAGTCTTGTCTGAAGGGCAC  
CACATGGATCTCTGATGTTGTCATTACCTCACTCCTGGTCAAGGAGCTGAAATTCTCAAACAAACTTTTCAAC  
AGTAGTGTGTTCTACATCAGGGTCTACAGCCTACATTGATATTCTGAAACTGAGTTGGAAATCGACTCATTT  
GTAGATGCTGTGAATGGAAAGGTGTCAGATATCCGAGTGGCATTTCGTTACTCCGAGGCTGGTGCAGTCTT  
GTCCAGGACACAAAATTACATTGCAAAACATCCATCTGCATGAACCCAATAGGGTAAACTGCCAATATTGCA  
ATGAATAAGGACAAAAAGAAAATTAAAAGGAGAGACTTGCAGAACAAAGAAGTCAAATGAAAGGCCCTT  
GATAGAGATGCTGAATATATTAGGGCTTGAGGAGACACCTGGTTACTATCCAAGTGCACGTCCTGCTCAGTTA  
AGCAGTGGAGCTGGACGTTAAAGCTCATTTTTCAGGAAGTTTAGGAGCTCGATGAGGGCATGTTACATAGTA  
AGAGACCTCGGGCATGGATTATTCAATGTTGACAATAGTAAACCAAGTCTTATTCTTGAAGAATGTACAGAG  
CATTTAGCAAATTGTTAAAATAGAGGGAGGTAAGGCAAATGTAACCTAAATTGCGGTTATGCTTCTGAGTATGAA  
CCATTGAGGAAGAATTATCAAATCAAATGCACTGTCCTCTGCTCAGTTGAGCTAGGAAACAGCAACT  
GCAGCCTTGAGAATAACAGATTGCTGCCTACTAGCTACCAAGCTGGTCAAGTTGAAGAATATTGTCATTTCT  
CAGAAAACACTGAAAGGATTTGCTCTTCTGGAATTCTCTGCTCAGTTAAACCAAAATACTAATGTTGGAAACAGAACTTG  
ACCTCTACAAACCTTTTACCTCCCTATGAAGGGGAAATATCACCAACTAATACTAATGTTGGAAACAGAACTTG  
CCTAGAGATGAAATTAAACTAATTGAAAACATCTGCTGGACTCTGATGGATGCCCTAGGATATCCAAAGTTATGGAC  
TAAatgctgcaggtcagcagaaattgcactaataacttaccaacccaaaaaaaaaaaaaaaaaaaa

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**FIG. 5B**

(human GST-6, translation of ORF)

MPKGGAPPWIMALMFTGHLLFALLMFAFSTFEESVSNYSEAWAVFTDDIDQFKTQVQDFRPNQKLKKSMLHPSLYFD  
AGEIQAMRQKSRASHLHLFRAIRSAVTVMLSNPYLYLPPPQHADFAAKWNEIYGNNLPPALYCLLCPEDKVAFEFVLE  
EYMDRMVGYKDWLVENAPGDEVPIGHSLTGFATAFDFLYNNLDNHRRQKYLEKIWVITEEMYEYSKVRSGKQLLHNH  
QATNMIAALLTGALVTGVVDKGSKANIWKQAVDVMEKTMFLLNHIVDGSLDEGVAYGSYTAKSVTQYVFLAQRHFNINN  
LDNNWLKMHFWFYATLLPGFQRTVGIADESNYNWFYGPESQLVFLDKFILKNGAGNWLAQQIRKHPKDGPMVPSTAQ  
RWSTLHTEYIWYDPQLTPQPPADYGTAKIHTFPNWGVVTYAGLPPNTQTNTFVSKSGKLGGRAYDIVHFQPYSWID  
GWRSPNPGHEHPDQNSFTFAPNGQVFVSEALYGPKLSHLNNVLVFAPSPPSSQCNKPWEGQLGECAQWLKWTGEEVGDA  
AGEIITASQHGEVMFVSGEAVSAYSSAMRLKSVYRALLLNSQTLLVVDHIERQEDSPINSVS AFFHNLIDIFDKYI PY  
KFMNRYNGAMMDVWDAHYKMFWDHHGNSPMASIQEAEQAAEFKKRWTQFVNVTFQMESTITRIAYVFYGPYINVSSC  
RFIDSSNPGLQISLNVNNTEHVVSIVTDYHNLKTRFNYLGFGGFASVADQGQITRFLGLGTQAIVKPVRHDRIFPFGF  
KFNIAVGLLICISLVLTFQWRFYLSFRKLMRWIILVLVIALWIFIELLDVWSTCSQPICAKWTRTEAEGSKKSLSSEGH  
HMDLPDVVITSPLPGSGAEILKQLFFNSDFLYIRVPTAYIDIPETELEIDSFVDACEWKSDIRSGHFRLRGWLQSL  
·VQDTKLHLQNIHLHEPNRGKLAQYFAMNKDKKRKFRRRESLPEQRSQMKGAFDRDAEYIRALRRHLVYYPSPARPVLSL  
SSGSWTLKLHFFQEVLGASMRALYIVRDPRAWIYSMLYNKPSLYSLKNVPEHLAKLFKIEGGKGKCNLNSGYAFEYE  
PLRKELSKSKSNAVSSLHLLANTAAALRINTDLLPTSYQLVKFEDIHVFHQKTTERIFAFLGIPLSPASLNQILFA  
TSTNLFLPYEGEISPTNTNVWKQNLPRDEIKLIEICWTLMMDRLGYPKFMD

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## FIG. 6A

(mouse GST6 cDNA, ORF highlighted in capitals)

ATGGCGTTATGTTACAGAACATTACTATTTAACATTGATGATGTGAGTTTCTACTTGTGAAGAATCTGTG  
AGCAATTATTCTGAATGGCAGTTACAGACGATATAACATGGCTAACAGAAAATACAAGATTCAAAC  
AACCGAAGACTTCATCCAAATTATTTGATGCTGGAGATATAACAAACATTGAAACAAAAGTCTCGTACAAGCCAT  
TTGCATATTTAGAGCTATCAAAGTGCAGTGACAATTGCTGTCCAATCCATCAACTACCTACCTCCACCCAAG  
CATGCTGAGTTGCTGCCAAGTGGAAATGAAATTATGGTAATAATCTCCTCCTTAGCATGTATTGTTATTATGC  
CCAGAAGACAAGGTTGCCATTGAATTGTTATGGAATACATGGATGGATGGTAGCTACAAAGACTGGCTAGTGAG  
AATGCACCAGGGGATGAGGTTCCAGTGGCCATTCTTAACAGGTTGCCACTGCCTTGACTTTATATAATCTA  
TTAGGTAATCAGCGTAAACAAAAACACTAGAAAAAATTGGATTGTTACTGAGGAAATGTATGAATATTCCAAGATT  
CGATCATGGGCAACAACTCTTCATAACCATAAGCTACAAATATGATAGCTTACTCATAGGGCCTGGTTACT  
GGAGTAGATAAAGGATCTAAAGCAACATATGGAAACAAAGTTGTTGATGTGATGGAAAAGACTATGTTCTTG  
AAGCATATTGAGATGGCTATTGGATGAAGGTTGGCTATGGAAGCTACCTCAAATCAGTTACACAGTATGTT  
TTTGGCACACGCCATTAAACATCAACAACTTGATAATAACTGGCTAAAATGCATTGGTTTATTATGCT  
ACACTTTGCCAGGCTATCAAAGAACTGTAGGCATAGCAGATTCAATTATAATTGGTTTATGGTCCAGAGGCCAG  
CTAGTTTCTGGATAAGTCATTACAGAATGGAGCTGAAATTGGTAGCTCAGCAAATTAGAAAGCATCGACCT  
AAGGATGGACCAATGGTCCCTCACTGCTCAGGGTGGAGTACTCTCATACTGAATACATCTGGTATGATCCAACA  
CTCACCCCCACGCCCTCTGGATTGGCACTGCAAAATGCACACATTCTCTAACTGGGTGTCGTGACTTATGG  
GGTGGCTGCCAACACCCAGACCAATACCTTGTCTTTAAATCTGGAAACTGGGAGGACGAGCTGTATGAC  
ATAGTCACTTTCAGCCATTCCCTGGATTGGATGGAGCTTAAACCCAGGACATGAACATCCAGATCAAAT  
TCATTACTTTCGCTCCTAATGGCAGGTATTGTTCTGAGGCTTTATGGACCAAATTGAGCCACCTTAACAC  
GTATTGGTGTGTTGCCCATACCATAAGTCATGTAATCAGCCCTGGGAAGGCTAACACTGGGAGAATGTGACAGTGG  
CTCAAGTGGACTGGGAAGAGGTTGGTATGCACTGGGAAGTTACTGCTGCTAACATGGTATAGGATGTT  
GTGAGTGGGAAGCAGTGTGCTTATTCTCTGCCATGAGACTGAAAAGTGTATCGTCTTACTTCTTAAAT  
TCACAAACTCTGCTTGTGTCATATTGAAAGGCAAGAAACTTCCCAATAAATTCTGTCAGTGCCTTCTTCAT  
AATTGGATATTGATTAAATACATCCATAACAGTTATGAAATAGATATAATGGTCCATGATGGATGTGGAT  
GCACACTATAAAATGTTGGTTGATCACCATGGCAACAGTCCTGGCTAATATAACAGGAAGCAGAACAGGCTGCT  
GAATTAAAGAAACGGTGGACACAGTTGTTAATGTTACATTCTATGGAATCCACAATCACAAGAATTGCTTATGTA  
TTTATGGCCATATGTCATGTTCCAGCTGCAAGATTGATAGTCCAGTTCTGGACTTCAGATTCTTACAT  
GTCAACAGTACTGAACATAGTGTGTTGTAACTGACTATCAAACCTAAAAGCAGATTGTTACCTGGATT  
GGTGGTTTGCAGTGTGGCTAATCAAGGACAGATAACCAAGATTGGTTGGTACTCAAGAAATAGTAAACCTGTA  
AGACATGATAAAAGTTAATTCCCTTGGTTAAATTAAATAGCAGTTGGATTCAATTGTTATTGCTTATTGCTT  
ATTAAACTTTCAATGGGGTTTACCTTCCCTTAGAAAGCTAATGCGCTGTGTTAAATACTTGTATTGCTT  
TGGTTATTGAGCTCTGGATGTGAGTACATGCACTCAGCCATCTGTGCAAATGGACAAGGACTGAAGCTAAG  
GCAAATGAGAAGTCATGATTCTGAAGGGCATATGTGGATCTCTAATGTTATTACCTCAGCCCTGGTCA  
GGAGCTGAAATTCTCAAACAGCTTCAACAGCAGTGGATCTCTACATCAGAATTCCCTACAGCCTACATGGAT  
ATCCCTGAAACTGAATTGAAATTGACTCATTTGAGATGCTTGTGAGTGGAAAGTATCAGATATCCGAGTGGC  
TTTCATCTTCTCGAGGGTGGCTGCAGTCTTGGTCCAGGATACAAACCTCACTGCAAACATCCATCTACATGAA  
ACCAGTAGGAGTAAACTGGCCAATATTACAACATAAGGACAAAAGCAGAAATTAAAAGAAGGGAGTCTTG  
CAAGATCAAAGAAGTGAATAAAAGGACATTGATAGAGATGCTGAATATAATTAGGGCTTAAGAAGACACCTGTT  
TATTACCCAAGTGCACGTCTGTGCTCAGCTTAAGTAGTGGTAGCTGGACATTGAAGCTTCAATTTCAGGAAGTT  
TTAGGAACCTCAATGCGGCATTGTCATAGTAAGAGACCCCTCGAGCTGGATCTATTGCTATATGGTAGTAA  
CCAAGTCTTATTCTTGAAGAATGTAACAGAGCACTTAGCAAATTGTTAAAATAGAGGAAGGTAAAGCAAATGT  
AATTGCAATTCTGGCTATGCTTTGAGTATGAATCACTGAAGAAAGAATTAGAAATATCCAATCAAATGCTATCTCC  
TTATTATCTCATTTGTTGGTAGCAAACACTGCAGCAGCCTGAGAATAAATACAGATTGCTGCCTACCAATTACCAT  
CTGGTCAAGTTGAAGATATTGTCATTCTCAGAAGACTACTGAAAGGATTGGCTTCTGGCATTCTT  
TCTCCCTGCTAGTTAAACCAAATGCTATTGCCACTTCCACAAACCTTTATCTCCATATGAGGGGGAAATATCA  
CCATCTAATACTAATATTGGAAAACAAACTGCCTAGAGATGAAATTAAACTATTGAAAACATTGCTGGACACTG  
ATGGATCATCTAGGATATCCAAAGTTATGGACTAAatgtgcaggtcgccaaaattgactaatgtgtccaaacct  
actttgtggatatgaactagaaaaactttgttattctgtacatgtatgtgttagagttagtgcgtgtgtcca  
gtatgttattgtcagagatatttcaaaataggcaccatattgcctagcaggattttatgttaccactt  
ttctgccttgcatttgcattttctgtcaaatgttctgtacagaggtatattctgggttctgaaatat  
gggtttaatggacttaactcaacttcttggaaactattatcttaggacactcaaacactacaaacggcct  
tgcaattgtgttatctgtcatctcgctttaatattggactacaaaactttatgtttgaaaacgtctaacat  
ttacctgcacacaaaaacgagaaataaaaaaccaaaaaattaaaaaaaacaaaaaaa

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

**FIG. 6B**

(mouse GST-6, translation of ORF)

MAFMFTEHLLFLTLMMCSFSTCEESVSNYSEWA VFTDDIQWLKSQKIQDFKLNRRRLHPN  
LYFDAGDIQTLKQKSRTSHLHIFRAIKSAVTIMLSNPSYYLPPP KHAEFAAK WNEIYGN  
LPPLALYCLLCPEDKVA FEFVMEYMDRMVSYKDWL VENAPGDEVPGHSLTG FATAF  
DFLYNLLGNQRKQKYLEKIWIVTEEMYEYSKIRSWGKQLLHNHQATNMIA LIGALVT  
GVDKGSKANIWKQVVVDVMEKTMFLKHIVDGS LDEGVAYGSYTSKSVTQYVFLAQR  
HFNINNFDNNWLKMHWFYYATLLPGYQRTVGIADSNYNWFYGPESQLVFLDKFILQN  
GAGNWLAQQIRKHRPKDGPMPVSTAQRWSTLHTEYIWYDPTLTPQPPVDFGTAKMHTF  
PNWGVVTYGGGLPNTQTNTFV SFKSGKLGGRAVYDIVHFQPY SWIDGWR SFNPGHEHP  
DQNSFTFAPNGQVFVSEALYGPKLSHLNNVLVFAPSPSSQCNCQPWEQLGECAQWLKW  
TGEEVGDAAGEVITA AQHGDRMFVS GEAVSAYSSAMRLKS VYRALLLN SQTLLVVDH  
IERQETSPINSVSAFFHNLDIDFKYI PYKFMNRYNGAMMDVWDAHYKMFWDHHGNSP  
VANIQEAEQAAEFKKRWTQFVNVTFH MESTITRIAYVFYGPYVN VSSCRFIDSSSGLQIS  
LHVNSTEHVS VVTDYQNLKSRFSYLGFGGFASVANQGQITRFGLGTQEIVNPVRHDKV  
NFPFGFKFNIAVGFILCISL VILTFQWRF YLSFRKLMRCV LILVIALWFIELLDVWSTCTQPI  
CAK WTRTEAKANEKVMISEGHHV DLPNVIITSLPGSGAEILKQLFFNSSDFLYIRIPTAYM  
DIPETEFEIDSVDACEWKVSDIRSGHFHLLRGWLQSLVQDTKLHLQNIHLHETRSKLA  
QYFTTNKDKKRKLKRRRESLQDQRSRIKGPFD RDAEYIRALRRHLVY YPSARPVLSLSSGS  
WTLKLHFFQEV LGTSMRALYIVRD PRAWIY SVLYGSKPSLYSLKNVPEHLAKLFKIEEG  
KSKCNSNSGYAF EYESLKKE LEISQ SNAISLLSHLWVANTAAALRINT DLLPTNYHLVKF  
EDIVHFPQKTTERIF AFLGIPLSPASLNQMLFATSTNLFYLPYEGEISPSNTNIWKTNLPRD  
EIKLIENICWTLMDH LGYPKFMD

APPROVED O.G. FIG.  
BY CLASS SUBCLASS  
RAFTSMAN

FIG. 7

